<u>**AMENDMENTS TO THE CLAIMS**</u>

Claim 1 (Currently Amended) <u>A reproducing</u>An apparatus which reproduces a moving image file <u>recorded on a recording medium, the</u> said apparatus comprising:

~~a table size obtaining unit operable to obtain, from a recording medium, size information of a table which holds index information for the moving image file;~~

a memory for storing index information <u>that is for the reproduction of the moving image file;</u>

a memory size obtaining unit operable to obtain size information of said <u>the</u> memory;

<u>a table size obtaining unit operable to obtain, from the recording medium, size information of a table that holds the index information that is for the reproduction of the moving image file;</u>

a calculating unit operable to calculate a thinning-out ratio of the index information <u>to be stored in the memory, the thinning-out ratio being calculated based on the size information of the memory and the size information of the table</u> so that the size of the table becomes equal to or smaller than the size of said memory; <u>and</u>

~~a thinning-out unit operable to thin out the index information based on the thinning-out ratio; and~~

a writing unit operable to <u>thin out the index information read from the recording medium, the index information being thinned out based on the thinning-out ratio calculated by the calculating unit, and operable to write the thinned-out index information into the memory</u> write the thinned-out index information into said memory.

Claim 2 (Withdrawn) The reproducing apparatus according to Claim 1,

wherein said calculating unit is operable to calculate the thinning-out ratio of the index

information so that the index information is thinned out at regular intervals with respect to a total

reproduction time of the moving image file.

Claim 3 (Currently Amended) The reproducing apparatus according to Claim 1,

wherein the ~~said~~ calculating unit calculates ~~is operable to calculate~~ the thinning-out ratio

of the index information ~~so~~ such that the index information is thinned out based on a weight

assigned to the index information ~~depending on~~ according to a reproduction time of the moving

image file.

Claim 4 (Currently Amended) The reproducing apparatus according to Claim 3, further

comprising a file characteristic detecting unit operable to detect a characteristic of the moving

image file,

wherein, when the ~~in the case where said~~ file characteristic detecting unit detects that ~~the~~

contents of the moving image file is a movie, ~~said~~ the calculating unit ~~is operable to calculate~~

calculates the thinning-out ratio of the index information ~~so~~ such that a density of the index

information becomes lower as the reproduction time of the moving image file passes.

Claim 5 (Currently Amended) The reproducing apparatus according to Claim 3, further

comprising a reproduction start point detecting unit operable to detect a reproduction start point

of the moving image file,

wherein ~~said~~ the calculating unit ~~is operable to calculate~~ calculates the thinning-out ratio

of the index information ~~so~~ such that a density of the index information becomes lower before

11

the reproduction start point detected by ~~said~~ the reproduction start point detecting unit, and the density of the index information becomes higher after the reproduction start point detected by ~~said~~ the reproduction start point detecting unit.

Claim 6 (Currently Amended)   The reproducing apparatus according to Claim 3, further comprising a reproduction mode detecting unit operable to detect a reproduction mode of the moving image file,

wherein, when the ~~in the case where said~~ reproduction mode detecting unit detects an introduction reproduction mode for searching for ~~the~~ a beginning of the moving image file, ~~said~~ the calculating unit calculates ~~is operable to calculate~~ the thinning-out ratio of the index information ~~so~~ such that a density of the index information becomes higher in an introduction reproduction section, and the density of the index information becomes lower in a section other than the introduction reproduction section.

Claim 7 (Currently Amended)   The reproducing apparatus according to Claim 3, further comprising an operational preference detecting unit operable to detect an operational preference of a user,

wherein, when the ~~in the case where said~~ operational preference detecting unit detects that the user uses a specific reproduction function ~~with~~ at a predetermined frequency or higher, ~~said~~ the calculating unit calculates ~~is operable to calculate~~ the thinning-out ratio of the index information ~~so~~ such that a density of the index information becomes higher in a reproduction section that ~~which~~ is required when the specific reproduction function is used, and the density of

12

the index information becomes lower in a reproduction section that which is not required when the specific reproduction function is used.

Claim 8 (Withdrawn) The reproducing apparatus according to Claim 3, further comprising:

a file characteristic detecting unit operable to detect a characteristic of the moving image file;

a reproduction start point detecting unit operable to detect a reproduction start point of the moving image file;

a reproduction mode detecting unit operable to detect a reproduction mode of the moving image file;

an operational preference detecting unit operable to detect an operational preference of a user; and

a selecting unit operable to selectively cause one of the following units to operate: said file characteristic detecting unit; said reproduction start point detecting unit; said reproduction mode detecting unit; and said operational preference detecting unit.

Claim 9 (Withdrawn) The reproducing apparatus according to Claim 1, further comprising

a reproducing unit operable to reproduce the moving image file,

wherein said calculating unit is operable to calculate a reproduction start point of the moving image file based on the thinning-out ratio, and

13

said reproducing unit is operable to reproduce the moving image file from the reproduction start point.

Claim 10 (Currently Amended)   A ~~reproducing~~ method for reproducing a moving image file recorded on a recording medium, ~~said~~ the reproducing method comprising:

~~a table size obtaining step of obtaining, from a recording medium, size information of a table which holds index information for the moving image file;~~

a memory size obtaining step of obtaining size information of a memory for storing index information that is for the reproduction of the moving image file;

a table size obtaining step of obtaining, from the recording medium, size information of a table that holds index information that is for the reproduction of the moving image file;

a calculating step of calculating a thinning-out ratio of the index information to be stored in the memory, the thinning-out ration being calculated based on the size information of the memory and the size information of the table ~~so that the size of the table becomes equal to or smaller than the size of the memory~~; and

~~a thinning-out step of thinning out the index information based on the thinning-out ratio; and~~

a writing step of thinning out the index information read from the recording medium, the index information being thinned out based on the thinning-out ratio calculated by the calculating step, and writing the thinned-out index information into the memory.

Claim 11 (Currently Amended)   A computer-readable recording medium having a program recorded thereon, the program for reproducing a moving image file recorded on a recording medium, ~~said~~ and the program causing a computer to execute a method comprising:

~~a table size obtaining step of obtaining, from a recording medium, size information of a table which holds index information for the moving image file;~~

a memory size obtaining step of obtaining size information of a memory for storing index information that is for the reproduction of the moving image file;

a table size obtaining step of obtaining, from the recording medium, size information of a table that holds index information that is for the reproduction of the moving image file;

a calculating step of calculating a thinning-out ratio of the index information to be stored in the memory, the thinning-out ratio being calculated based on the size information of the memory and the size information of the table ~~so that the size of the table becomes equal to or smaller than the size of the memory~~; and

~~a thinning-out step of thinning out the index information based on the thinning-out ratio;~~ ~~and~~

a writing step of thinning out the index information read from the recording medium, the index information being thinned out based on the thinning-out ratio calculated by the calculating step, and writing the thinned-out index information into the memory.